

Daily Defense (DD) Cream with Phytessence™ White Peony

SC-673

Cover, correct and prevent blemishes and skin discoloration with one formulation. This Daily Defense, or DD Cream, specially formulated for the needs of sensitive skin, provides important protection against two key contributors to inflammation - solar solar radiation and pollution, while also offering an immediate uniform tint on the skin and color balancing action for more even skin tone in the future. This is achieved through the inclusion of **Solaveil™ XT-40W** which provides protection against UVA, UVB and High-Energy Visible light damage as well as protection against the free radicals generated. Continual color balancing and anti-pollution action is delivered by **Phytessence White Peony**.

Ingredients	%
Part A	
Water	To 100
Glycerine	3.00
Magnesium Aluminum Silicate ²	1.00
Xanthan Gum ³	0.50
1,3 Propanediol ⁴	4.00
Solaveil XT-40W (Titanium Dioxide (and) Water (and) Polyglyceryl-2 Caprate (and) Sucrose Stearate (and) Simmondsia Chinensis (Jojoba) Seed Oil (and) Stearic Acid (and) Alumina (and) Glyceryl Caprylate (and) Squalane)	15.00
Part B	
SP Crodamol™ GTCC MBAL (Caprylic/Capric Triglyceride)	11.75
Span™ 20 (Sorbitan Laurate)	3.04
Crodamol ISIS (Isostearyl Isostearate)	3.00
Crodamol SSA (Decyl Isostearate (and) Isostearyl Isostearate)	3.00
Natragem™ E145NP (Polyglyceryl-4 Laurate/Succinate (and) Water)	2.46
Part C	
SP Crodamol GTCC MBAL (Caprylic/Capric Triglyceride)	1.25
Iron Oxide (and) CI77492 ⁵	0.96
Iron Oxide (and) CI77491 ⁵	0.24
Iron Oxide (and) CI77499 ⁵	0.06
Part D	
Lactic Acid ⁶	qs
Sodium Benzoate (and) Potassium Sorbate ⁷	1.50
Part E	
Phytessence White Peony (Glycerin (and) Water (and) Paeonia Lactiflora Root Extract)	3.00

Suppliers: 1. **Croda/Sederma** 2. Veegum® Ultra, Vanderbilt 3. Keltrol® CG-SFT, CP Kelco
 4. Zemea®, Dupont 5. NHS-C339001-10, NHS-C337001-10, Miyoshi 6. Purac® HiPure 90, Purac
 7. Euxyl® K712, Schülke Inc.

pH: 5.92±0.5; Viscosity after 24hrs: 6,500 cPs (Brookfield RVT, spindle TC @10rpm for 1min)
 Appearance: light brown, well mixed lotion

Procedure:

Combine Part C ingredients; weigh out 210% more for each ingredient. Mix thoroughly, then pass through the three-roller mill 3x at setting 3 (loosest setting). Combine Part B ingredients and heat with mixing to 70°C. Add Part C into Part B while mixing. For Part A, add magnesium aluminium silicate to water and heat with mixing to 70°C. Combine glycerine and xanthan gum together to make a slurry, then add to Part A. When temperature reaches 70°C, add **Solaveil XT-40W** to Part A. Maintain temperature and mix to homogeneous. With strong mixing, add Part B/C into Part A; mix for 5 minutes. Place batch under homogenizer and mill for 3 minutes. Cool to 45°C with stirring. Adjust the pH with lactic acid to 4.10 while stirring and add the preservative. Add Part E and mix until homogeneous.

Reference: 293-01-58

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